

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Atty. Docket No.	7691.0005	Serial No.	Not Yet Assigned				
Applicant	Brendan LARDER et al.						
Filing Date	August 18, 2000		Group	Not Yet Assigned			
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub Class	Translation Yes or No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
UW		Larder et al., "Quantitative Detection of HIV-1 Drug Resistance Mutations by Automated DNA Sequencing," <i>Nature</i> , Vol. 365, pp. 671-673 (1993).					
		Demeter et al., "Interlaboratory Concordance of DNA Sequence Analysis to Detect Reverse Transcriptase Mutations in HIV-1 Proviral DNA," <i>Journal of Virological Methods</i> , 75, pp. 93-104 (1998).					
		Bazzi et al., "Long-Read Direct Infrared Sequencing of Crude PCR Products for Prediction of Resistance to HIV-1 Reverse Transcriptase and Protease Inhibitors," <i>Molecular Biotechnology</i> , Vol. 10, pp. 1-8, (1998).					
		Günthard et al., "Comparative Performance of High-Density Oligonucleotide Sequencing and Dideoxynucleotide Sequencing of HIV Type 1 <i>pol</i> from Clinical Samples," <i>Aids Research and Human Retroviruses</i> , Vol. 14, No. 10, pp. 869-876 (1998).					
		Puchhammer-Stöck et al., "Comparison of Line Probe Assay (LIPA) and Sequence Analysis for Detection of HIV-1 Drug Resistance," <i>Journal of Medical Virology</i> , 57, pp. 283-289 (1999).					
		Duncan R. Churchill et al., "The Rabbit Study: Ritonavir and Saquinavir in Combination in Saquinavir-Experienced and Previously Untreated Patients," <i>Aids Research and Human Retroviruses</i> , Vo. 15 No. 13, pp. 1181-1189 (1999).					
		Yerly et. al., "Transmission of Antiretroviral-drug-resistant HIV-1 Variants," <i>The Lancet</i> , Vol. 354, pp. 729-733 (1999).					
		Lorenzi et al., "Impact of Drug Resistance Mutations on Virologic Response to Salvage Therapy," <i>Aids</i> , Vol. 13, No. 2, pp. F17-F21 (1999).					
		Schapiro et al., "Clinical Cross Resistance Between the HIV-1 Protease Inhibitors Saquinavir and Indinavir and Correlations with Genotypic Mutations," <i>Aids</i> , Vol. 13, No. 3, pp. 359-365 (1999).					

Chris Wm 2/21/02

1083187  
09/18/00  
U.S. PTO

In re Application of Brendan LARDER et al.  
Attorney Docket No. 7691.0005

uw	Hertogs et al., "A Rapid Method for Simultaneous Detection of Phenotypic Resistance to Inhibitors of Protease and Reverse Transcriptase in Recombinant Human Immunodeficiency Virus Type 1 Isolates from Patients Treated with Antiretroviral Drugs," <i>Antimicrobial Agents and Chemotherapy</i> , pp. 269-276 (1998).
	Devereux et al., "Rapid Decline in Detectability of HIV-1 Drug Resistance Mutations After Stopping Therapy," <i>Aids</i> , Vol. 13, No. 18, pp F123-F127 (1999).
	Asseline et al., "Nucleic Acid Binding Molecules with High Affinity and Base Sequence Specificity: Intercalating Agents Covalently Linked to Oligodeoxynucleotides," <i>Proc. Natl. Acad. Sci. USA</i> , 81, 3297-301 (1984).
	Barany, F., "Genetic Disease Detection and DNA Amplification Using Cloned Thermostable Ligase," <i>Proc. Natl. Acad. Sci USA</i> , 88,189-193 (1991).
	Compton, J., "Nucleic Acid Sequence-Based Amplification," <i>Nature</i> , 350, 91-92 (1991).
	Duck, P., "Probe Amplifier System Based on Chimeric Cycling Oligonucleotides," <i>Biotechniques</i> , 9, 142-147 (1990).
	Guatelli et al., "Isothermal, In Vitro Amplification of Nucleic Acids by a Multienzyme Reaction Modeled After Retroviral Replication," <i>Proc. Natl. Acad. Sci USA</i> , 87, 1874-1878 (1990).
	Kwoh et al., "Transcription-based Amplification System and Detection of Amplified Human Immunodeficiency Virus Type 1 with a Bead-Based Sandwich Hybridization Format," <i>Proc. Natl. Acad. Sci. USA</i> , 86,1173-1177 (1989).
	Kwok et al., "Effects of Primer-template Mismatches on the Polymerase Chain Reaction: Human Immunodeficiency Virus Type 1 Model Studies. <i>Nucl. Acids Res.</i> , 18, 999 (1990).
	Landgren et al., "A ligase-mediated gene detection technique. <i>Science</i> , 241,1077-1080 (1988).
	Lizardi et al., "Exponential Amplification of Recombinant RNA Hybridization Probes," <i>Bio/Technology</i> , 6,1197-1202 (1988).
	Lomeli et al., "Quantitative Assays Based on the Use of Replicable Hybridization Probes," <i>Clin. Chem.</i> , 35,1826-1831 (1989).
	Matsukura et al., "Phosphorothioate Analogs of Oligodeoxynucleotides : Inhibitors of Replication and Cytopathic Effects of Human Immunodeficiency Virus," <i>Proc. Natl. Acad. Sci. USA</i> , 84, 7706-10 (1987).
	Miller et al., "Nonionic Nucleic Acid Analogues. Synthesis and Characterization of Dideoxyribonucleoside Methylphosphonates," <i>Biochemistry</i> , 18, 5134-43 (1979).
	Nielsen et al., "Sequence-selective of DNA by Strand Displacement with a Thymine-substituted Polyamide," <i>Science</i> , 254, 1497-500 (1991).
	Nielsen et al., "Sequence specific inhibition of DNA restriction enzyme cleavage by PNA," <i>Nucleic-Acids-Res.</i> , 21, 197-200 (1993).
	Saiki et al., "Genetic Analysis of Amplified Dna with Immobilized Sequence-specific Oligonucleotide Probes," <i>Proc. Natl. Acad. Sci. USA</i> , 86,6230-6234 (1989).

uw

2/21/02

**In re Application of Brendan LARDER et al.**  
**Attorney Docket No. 7691.0005**

<i>W</i>	Walker et al., "Isothermal <i>in Vitro</i> Amplification of Dna by a Restriction Enzyme/dna Polymerase System," <i>Proc. Natl. Acad. Sci USA</i> , 89, 392-396 (1992).	
<i>W</i>	Wu et al., "The Ligation Amplification Reaction (LAR)- Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," <i>Genomics</i> , 4, 560-569 (1989).	
Examiner	<i>[Signature]</i> Date Considered <i>2/21/02</i>	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
Form PTO 1449		Patent and Trademark Office - U.S. Department of Commerce

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

OMB No. 0651-0011  
**RECEIVED**

NOV 02 2000

Atty. Docket No. 07691.0005		Serial No. 09/640,787				
Applicant Brendan LARDER et al.						
Filing Date August 18, 2000		Group: 1645				
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
<b>FOREIGN PATENT DOCUMENTS</b>						
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
uw	WO 97/27480	07/31/97	PCT	—	—	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
uw	Asseline et al., "Nucleic Acid-Binding Molecules with High Affinity and Base Sequence Specificity: Intercalating Agents Covalently Linked to Oligodeoxynucleotides," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 81, pp. 3297-3301 (1984).					
✓	Barany, F., "Genetic Disease Detection and DNA Amplification Using Cloned Thermostable Ligase," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 88, pp. 189-193 (1991).					
✓	Boom et al., "Rapid and Simple Method for Purification of Nucleic Acids," <i>Journal of Clinical Microbiology</i> , pp. 495-503 (1990).					
✓	Compton, J., "Nucleic Acid Sequence-Based Amplification," <i>Nature</i> , Vol. 350, pp. 91-92 (1991).					
✓	Duck et al., "Probe Amplifier System Based on Chimeric Cycling Oligonucleotides," <i>BioTechniques</i> , 9, 142-147 (1990).					
✓	Guatelli et al., "Isothermal, <i>In Vitro</i> Amplification of Nucleic Acids by a Multienzyme Reaction Modeled After Retroviral Replication," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 87, pp. 1874-1878 (1990).					
✓	Kwoh et al., "Transcription-Based Amplification System and Detection of Amplified Human Immunodeficiency Virus Type 1 with a Bead-Based Sandwich Hybridization Format," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 86, pp. 1173-1177 (1989).					
✓	Landegren et al., "A Ligase-Mediated Gene Detection Technique," <i>Science</i> , Vol. 241, pp. 1077-1080 (1988).					

*Handwritten signature*

01/21/02

<u>6U</u>	Lizardi et al., "Exponential Amplification of Recombinant-RNA Hybridization Probes," <i>Bio/Technology</i> , Vol. 6, pp. 1197-1202 (1988).
	✓ Lomell et al., "Quantitative Assays Based on the Use of Replicable Hybridization Probes," <i>Clin. Chem.</i> , 35(9), pp. 1826-1831 (1989).
	✓ Matsukura et al., "Phosphorothioate Analogs of Oligodeoxynucleotides: Inhibitors of Replication and Cytopathic Effects of Human Immunodeficiency Virus," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 84, pp. 7706-7710 (1987).
	✓ Miller et al., "Nonionic Nucleic Acid Analogues. Synthesis and Characterization of Dideoxyribonucleoside Methylphosphonates," <i>Biochemistry</i> , Vol. 18(23), pp. 5134-5143 (1979).
	✓ Nielsen et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide," <i>Science</i> , Vol. 254, pp. 1497-1500 (1991).
	✓ Nielsen et al., "Sequence Specific Inhibition of DNA Restriction Enzyme Cleavage by PNA," <i>Nucleic Acids Research</i> , Vol. 21(2), pp. 197-299 (1993).
	✓ Saiki et al., "Genetic Analysis of Amplified DNA with Immobilized Sequence-Specific Oligonucleotide Probes," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 86, pp. 6230-6234 (1989).
	✓ Walker et al., "Isothermal <i>In Vitro</i> Amplification of DNA by a Restriction Enzyme/DNA Polymerase System," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 89, pp. 392-396 (1992).
	✓ Wu et al., "The Ligation Amplification Reaction (LAR)---Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," <i>Genomics</i> , 4, pp. 560-569 (1989).
Examiner <u><i>[Signature]</i></u>	Date Considered <u>8/21/02</u>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	
Patent and Trademark Office - U.S. Department of Commerce	